

Amended Claims

[These amended claims will replace all prior versions of the claims in this application.]

1. (Currently amended) A method of digitizing shapes, said method comprising the steps of:

a) receiving at least one data representing at least one shape; ;

b) identifying at least one outline of the at least one shape in the at least one data,

wherein the outline has a curvature; and

e)-identifying at least one corner of the at least one outline wherein said corner is identified by calculating the curvature of the outline in a neighborhood of a point on the outline and determining whether the curvature is at least a pre-defined minimum value.

2. (Currently amended) A system for digitizing shapes, said system comprising:

a) a memory arrangement including thereon a computer program; and

b) a processing arrangement which, when executing the computer program, is

configured to:

i) receive at least one data representing at least one shape; ;

ii) identify at least one outline of the at least one shape in the at least one data,
wherein the outline has a curvature; and

iii) identify at least one corner having a relatively large average curvature of the at least one outline wherein said corner is identified by calculating the curvature of the outline in a neighborhood of a point on the outline and determining whether the curvature is at least a pre-defined minimum value.

3. (Currently amended) ~~A software~~ Software stored in a computer-readable storage medium which, when executed by a processing arrangement, is configured to digitize shapes, said software storage medium comprising:

a) a software program including:

b) a first module which, when executed, receives at least one data representing at least one shape; ;

e) a second module which, when executed, identifies at least one outline of the at least one shape in the at least one data, wherein the outline has a curvature; and

d) a third module which, when executed, identifies at least one corner having a relatively large average curvature of the at least one outline wherein said corner is identified

by calculating the curvature of the outline in a neighborhood of a point on the outline and determining whether the curvature is at least a pre-defined minimum value.

4. (New) The method of claim 1, wherein identifying the at least one corner includes determining whether a point on the outline has the largest curvature in a neighborhood of a point.
5. (New) The method of claim 1, wherein identifying the at least one outline includes identifying a boundary between the color of the pattern and the color of the background.
6. (New) The method of claim 5, wherein the at least one outline is represented by a series of point coordinates.
7. (New) The method of claim 1, wherein said digitized shape corresponds to the shape of a pattern for producing sewn goods.
8. (New) The method of claim 1, wherein said digitized shape corresponds to the shape of a garment pattern.
9. (New) The system of claim 2, wherein identifying the at least one corner includes determining whether a point on the outline has the largest curvature in a neighborhood of a point.
10. (New) The system of claim 2, wherein identifying the at least one outline includes identifying a boundary between the color of the pattern and the color of the background.
11. (New) The system of claim 10, wherein the at least one outline is represented by a series of point coordinates.
12. (New) The system of claim 2, wherein said digitized shape corresponds to the shape of a pattern for producing sewn goods.

13. (New) The system of claim 2, wherein said digitized shape corresponds to the shape of a garment pattern.
14. (New) The software storage medium of claim 3, wherein identifying the at least one corner includes determining whether a point on the outline has the largest curvature in a neighborhood of a point.
15. (New) The software storage medium of claim 3, wherein identifying the at least one outline includes identifying a boundary between the color of the pattern and the color of the background.
16. (New) The software storage medium of claim 14, wherein the at least one outline is represented by a series of point coordinates.
17. (New) The software storage medium of claim 3, wherein said digitized shape corresponds to the shape of a pattern for producing sewn goods.
18. (New) The software storage medium of claim 3, wherein said digitized shape corresponds to the shape of a garment pattern.